

FIG. 4

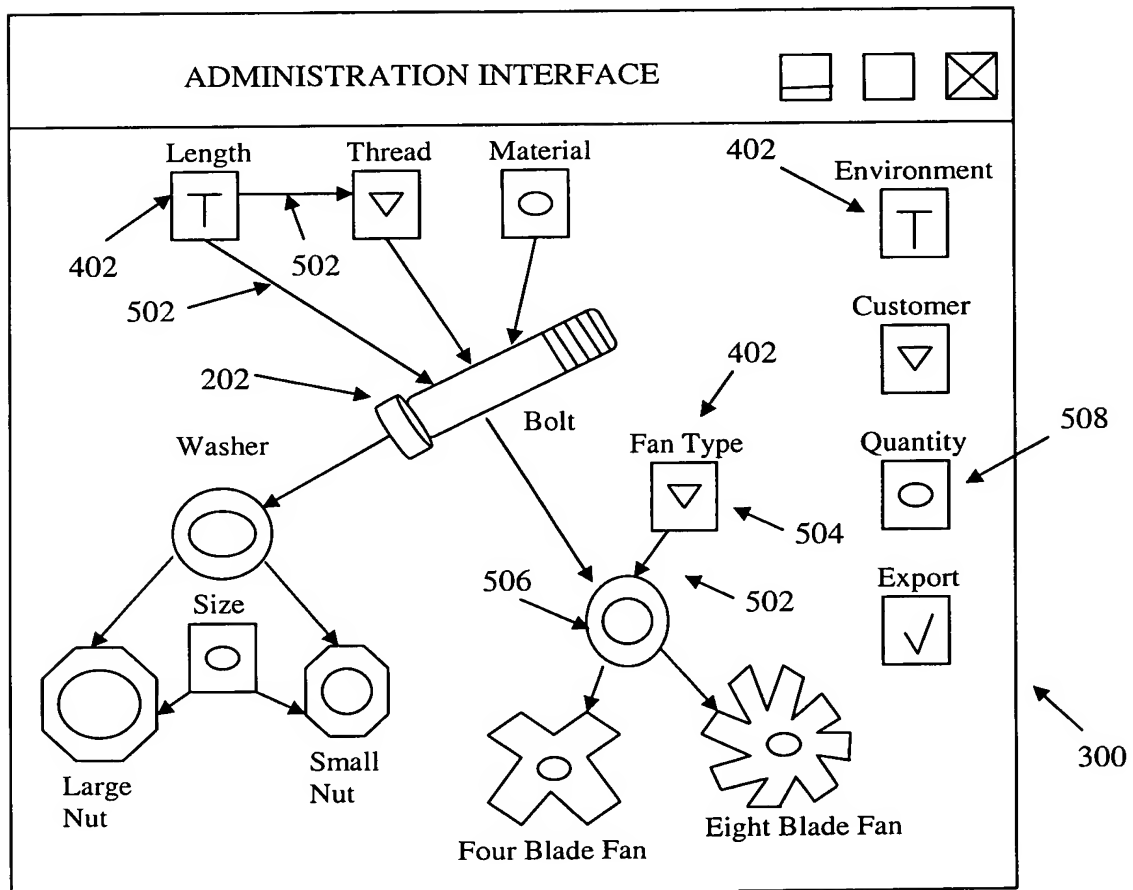


FIG. 5

REPLACEMENT SHEET

202

304

Name: Bolt

ID: 1 602

Surfaces Axes Parameters Dimensions

Check	OPT #	Description
<input type="checkbox"/>	0	Thread_Mate
<input type="checkbox"/>	1	Top_Flat_Surface
<input type="checkbox"/>	2	Carl_Bottom 610

606 604 600 608

FIG. 6

402

404

Name: Head_Type

ID: 2 602

Question: What type head on bolt? 702

SAVE 706 Clear 708

Check	OPT #	Description	Value
<input type="checkbox"/>	0	Pan	1
<input type="checkbox"/>	1	Hex	2
<input type="checkbox"/>	2	Socket 610	3 704

606 608 604 700

FIG. 7

REPLACEMENT SHEET

800

502 506 706

402 402 706

504

Link Definition

SAVE

Name: Head_Type
ID: 2

Check	OPT #	Descr.	Value
<input checked="" type="checkbox"/>	0	Pan	1
<input type="checkbox"/>	1	Hex	2
<input type="checkbox"/>	2	Socket	3

606 608 704

804 610

Name: Bolt_Diameter
ID: 3

Check	OPT #	Descr.	Value
<input type="checkbox"/>	0	2 mm	2
<input checked="" type="checkbox"/>	1	3 mm	3
<input type="checkbox"/>	2	5 mm	5
<input checked="" type="checkbox"/>	3	10 mm	10

606 608 610 704

806 802

FIG. 8

402 502 506

Link Definition

504

SAVE

202

Name: Bolt_Diameter
ID: 3

Check	OPT #	Descr.	Value
<input type="checkbox"/>	0	2 mm	2
<input type="checkbox"/>	1	3 mm	3
<input checked="" type="checkbox"/>	2	5 mm	5
<input type="checkbox"/>	3	10 mm	10

804

Name: Bolt
ID: 1

Parameter		Dimension	
Check	OPT #	Descr.	Dim. Val.
<input type="checkbox"/>	0	Diameter	0.500
<input type="checkbox"/>	1	Length	2
<input type="checkbox"/>	2	Length	4
<input checked="" type="checkbox"/>	3	Length	5
<input type="checkbox"/>	4	Length	6

800 806

FIG. 9

REPLACEMENT SHEET

502

202

504

Link Definition

202

506

SAVE

Name: Nut ID: 4		Name: Bolt ID: 1	
Surface	Axis	Surface	Axis
Check	OPT #	Check	OPT #
<input checked="" type="checkbox"/>	0	<input checked="" type="checkbox"/>	0
<input type="checkbox"/>	1	<input type="checkbox"/>	1
	Top_Mate		Top_Flat_Surface
			Carl_Bottom
Thread_Mate	Mate		.125
T_POS2	Align		0
			Center

802

800

806

804

1002

1004

FIG. 10

Figure 1 is a screenshot of a software interface for defining a link between two parts. The interface is divided into two main sections: "Name: Head_Type ID: 2" and "Name: Bolt ID: 1".

The "Name: Head_Type ID: 2" section contains a table with the following data:

Check	OPT #	Descr.	Value
<input type="checkbox"/>	0	Pan	1
<input checked="" type="checkbox"/>	1	Hex	2
<input type="checkbox"/>	2	Socket	3

The "Name: Bolt ID: 1" section contains a table with the following data:

Check	OPT #	Descr.	P. Value	P. Type
<input type="checkbox"/>	0	Head_Type	1	INT
<input checked="" type="checkbox"/>	1	Head_Type	2	INT
<input type="checkbox"/>	2	Head_Type	3	INT
<input type="checkbox"/>	3	Head_Type	4	INT

A "Link Definition" arrow points from a "Head_Type" part (402) to a "Bolt" part (202). A "SAVE" button is located at the bottom right of the interface.

FIG. 11

REPLACEMENT SHEET

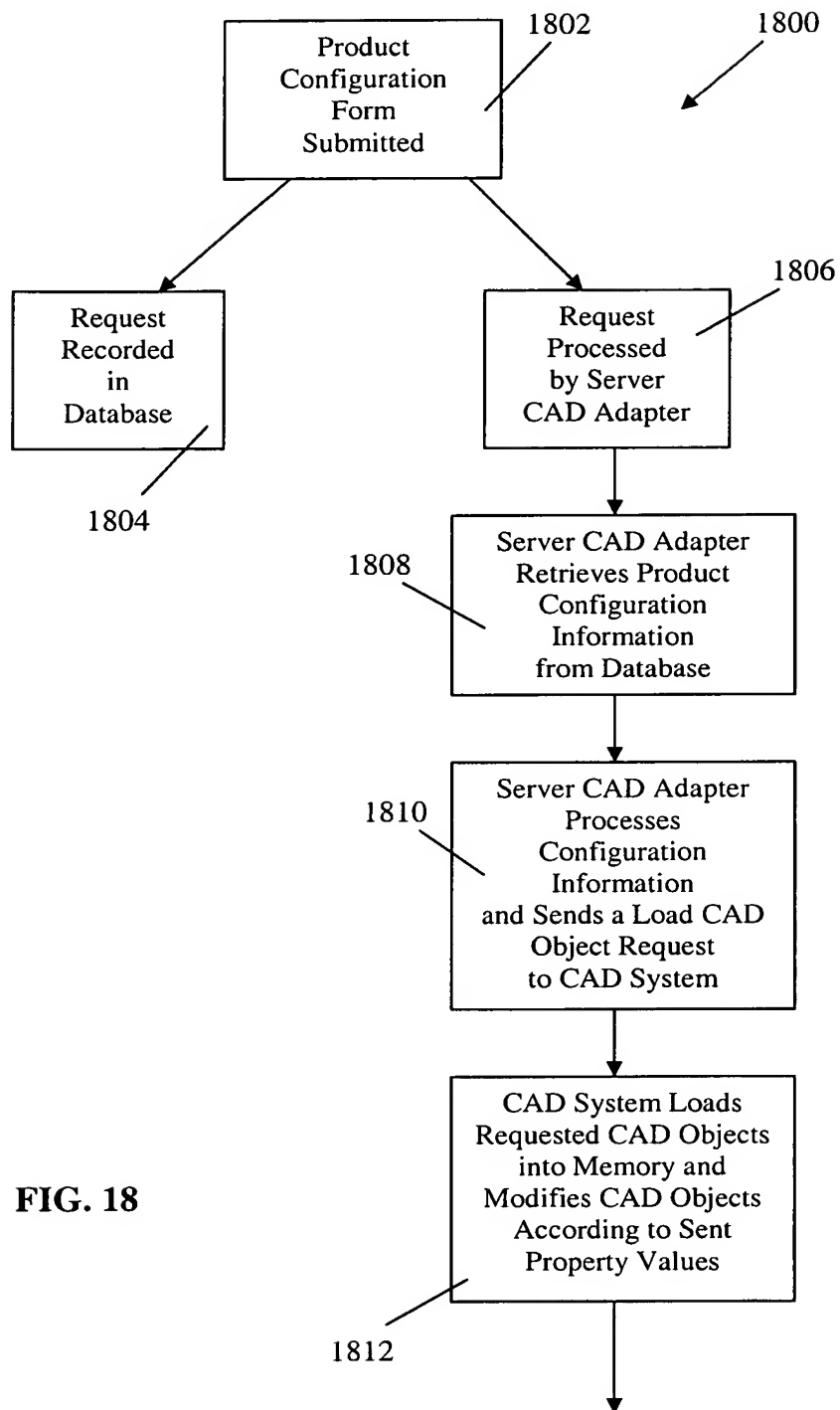


FIG. 18